

NAME:

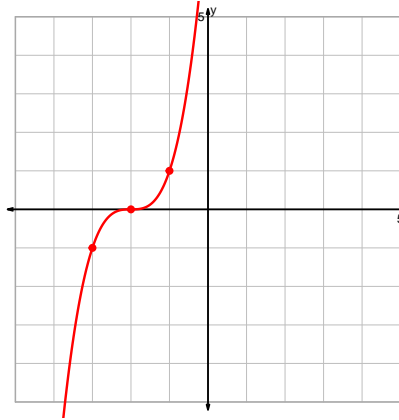
DATE:

Unit-2 Reduced Mastery Assessment (version 312)

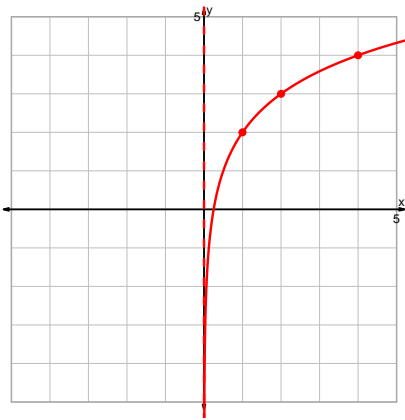
Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

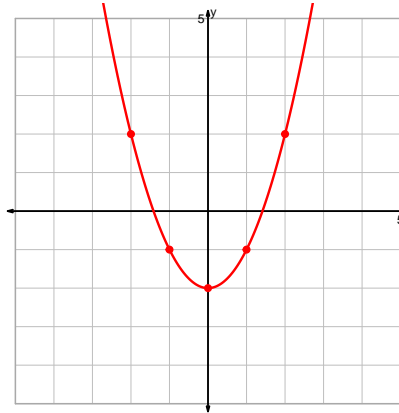
$$y = (x+2)^3$$



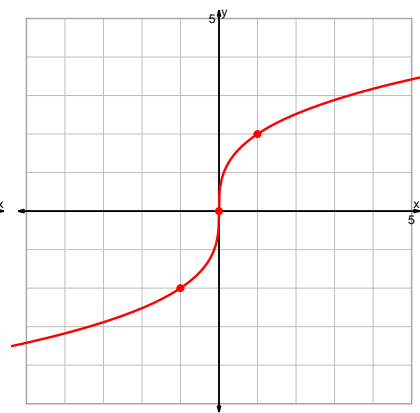
$$y = \log_2(x) + 2$$



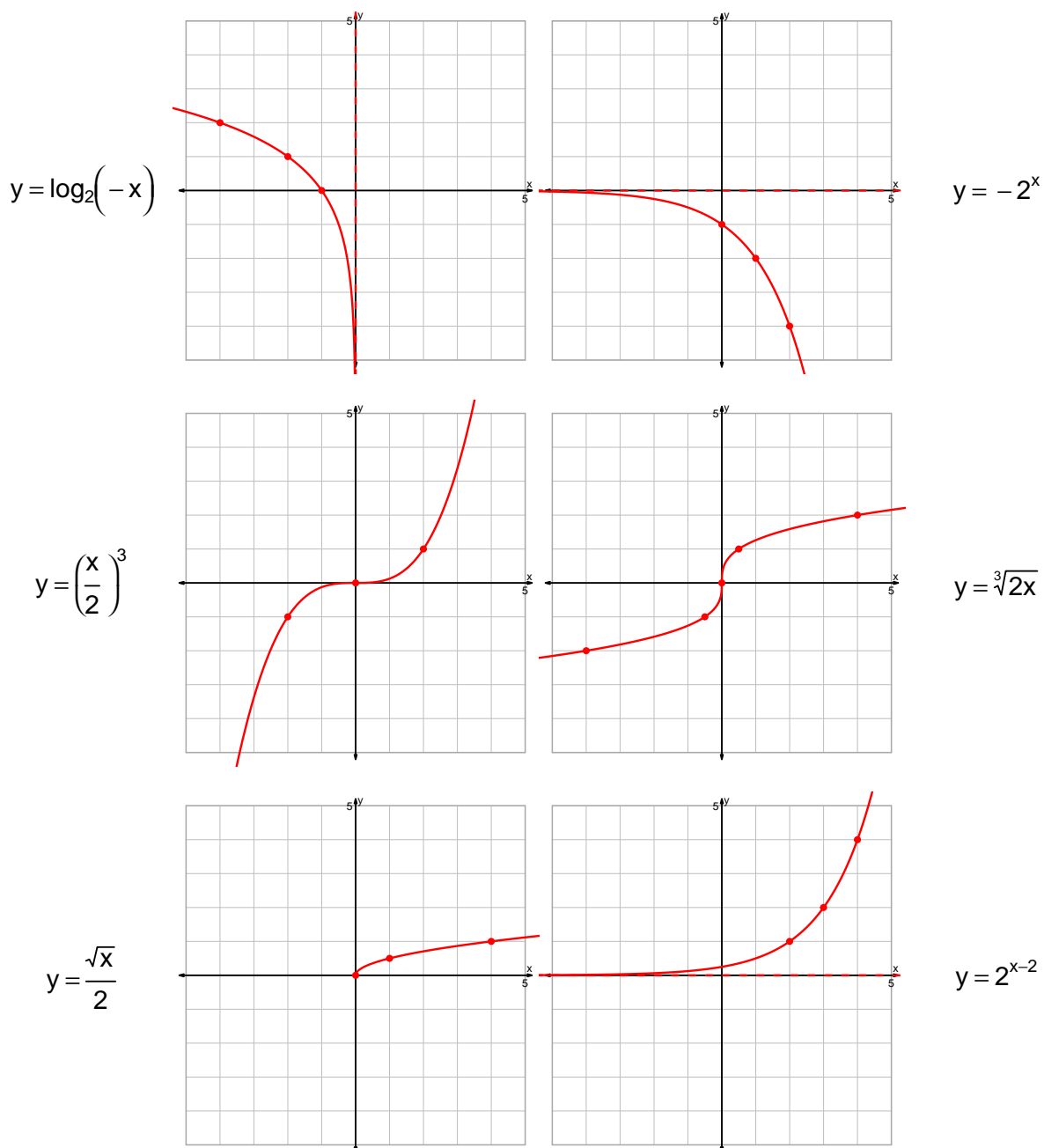
$$y = x^2 - 2$$



$$y = 2 \cdot \sqrt[3]{x}$$

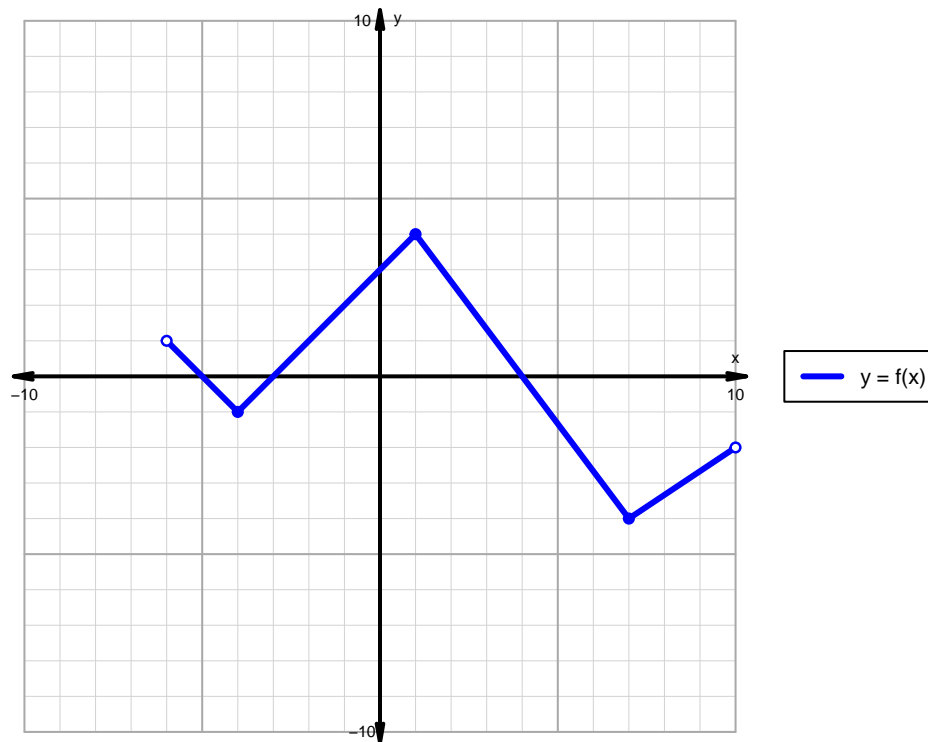


Question 2 continued...



Question 2 (20 points)

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	$(-6, -5) \cup (-3, 4)$
Negative	$(-5, -3) \cup (4, 10)$
Increasing	$(-4, 1) \cup (7, 10)$
Decreasing	$(-6, -4) \cup (1, 7)$
Domain	$(-6, 10)$
Range	$(-4, 4)$